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Terms	Documents
5213972.pn.	2

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US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins ▼

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**Search History**

DATE: Tuesday, March 04, 2003 [Printable Copy](#) [Create Case](#)

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side by side

**Hit Count Set Name**  
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR*

<u>L8</u>	5213972.pn.	2	<u>L8</u>
<u>L7</u>	mcdandliss\$3	1	<u>L7</u>
<u>L6</u>	deoxyribonucleosid\$4 and L5	1	<u>L6</u>
<u>L5</u>	(nrdc\$3 or nrda\$3 or nrdb\$3) and L4	30	<u>L5</u>
<u>L4</u>	dctp\$3 and L3	41	<u>L4</u>
<u>L3</u>	uridin\$3 and L2	45	<u>L3</u>
<u>L2</u>	fermentat\$5 and pyrimidin\$4 and thio redox\$4 and (ribonucleoti\$ same reductas\$3)	112	<u>L2</u>
<u>L1</u>	ribonucleot\$5 same reductas\$3 same pyrimidin\$3 same thio redox\$4	2	<u>L1</u>

END OF SEARCH HISTORY

=> d his

(FILE 'HOME' ENTERED AT 13:18:24 ON 05 MAR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:18:42 ON 05 MAR 2003

SEA (RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?

-----  
1 FILE ADISCTI  
7 FILE AGRICOLA  
2 FILE AQUASCI  
137 FILE BIOSIS  
4 FILE BIOTECHABS  
4 FILE BIOTECHDS  
71 FILE BIOTECHNO  
14 FILE CABA  
23 FILE CANCERLIT  
200 FILE CAPLUS  
1 FILE CEN  
3 FILE CONFSCI  
6 FILE DDFB  
10 FILE DDFU  
15 FILE DGENE  
6 FILE DRUGB  
13 FILE DRUGU  
102 FILE EMBASE  
47 FILE ESBIOBASE  
7\* FILE FEDRIP  
66 FILE GENBANK  
2 FILE IFIPAT  
1 FILE KOSMET  
60 FILE LIFESCI  
144 FILE MEDLINE  
20 FILE PASCAL  
144 FILE SCISEARCH  
86 FILE TOXCENTER  
179 FILE USPATFULL  
2 FILE WPIDS  
2 FILE WPINDEX

L1 QUE (RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?

-----  
SEA ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S)KIN

-----  
8 FILE ADISCTI  
2 FILE ADISINSIGHT  
43 FILE AGRICOLA  
3 FILE ANABSTR  
11 FILE AQUASCI  
10 FILE BIOBUSINESS  
1342 FILE BIOSIS  
42 FILE BIOTECHABS  
42 FILE BIOTECHDS  
339 FILE BIOTECHNO  
101 FILE CABA  
493 FILE CANCERLIT  
1056 FILE CAPLUS  
6 FILE CEABA-VTB  
1 FILE CEN  
18 FILE CONFSCI  
1 FILE CROPU  
129 FILE DDFB  
158 FILE DDFU  
144 FILE DGENE  
129 FILE DRUGB  
241 FILE DRUGU  
7 FILE EMBAL

842 FILE EMBASE  
 245 FILE ESBIODBASE  
 21\* FILE FEDRIP  
 1 FILE FROSTI  
 5 FILE FSTA  
 750 FILE GENBANK  
 29 FILE IFIPAT  
 20 FILE JICST-EPLUS  
 1 FILE KOSMET  
 267 FILE LIFESCI  
 1002 FILE MEDLINE  
 10 FILE NIOSHTIC  
 3 FILE NTIS  
 2 FILE OCEAN  
 169 FILE PASCAL  
 595 FILE SCISEARCH  
 572 FILE TOXCENTER  
 435 FILE USPATFULL  
 3 FILE USPAT2  
 2 FILE VETB  
 2 FILE VETU  
 53 FILE WPIDS  
 53 FILE WPINDEX  
 1 FILE IPA  
 2 FILE NAPRALERT  
 2 FILE NLDB  
 L2 QUE ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S) KI  
 -----

FILE 'BIOSIS, CAPLUS, MEDLINE, EMBASE, GENBANK, SCISEARCH, TOXCENTER,  
 CANCERLIT, USPATFULL, BIOTECHNO, LIFESCI, ESBIODBASE, DRUGU, PASCAL,  
 DGENE, DRUGB, CABA, WPIDS' ENTERED AT 13:22:24 ON 05 MAR 2003

L3 8775 S ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S)KINAS  
 L4 1329 S ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?)  
 L5 107 S L4 AND (NRDA? OR NRDB? OR NRDC?)  
 L6 70 DUP REM L5 (37 DUPLICATES REMOVED)  
 L7 7503 S (URID?(S)KINAS?) OR (DCTP? (S) DEAMINAS?)  
 L8 693 S L7 AND (VECTO? OR PLASMI?) AND EXPRES?  
 L9 631 DUP REM L8 (62 DUPLICATES REMOVED)  
 L10 230 S L9 AND COLI?  
 L11 56 S L10 AND PY < 1999

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NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUIDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUIDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	43	Feb 13	CANCERLIT is no longer being updated
NEWS	44	Feb 24	METADEx enhancements
NEWS	45	Feb 24	PCTGEN now available on STN
NEWS	46	Feb 24	TEMA now available on STN
NEWS	47	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	48	Feb 26	PCTFULL now contains images
NEWS	49	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
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=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:18:42 ON 05 MAR 2003

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s (ribonucleo? (s) reductas?) and thioredo?

1	FILE ADISCTI
7	FILE AGRICOLA
2	FILE AQUASCI
137	FILE BIOSIS
4	FILE BIOTECHABS
4	FILE BIOTECHDS
71	FILE BIOTECHNO
14	FILE CABA
23	FILE CANCERLIT
200	FILE CAPLUS
1	FILE CEN
3	FILE CONFSCI
21 FILES SEARCHED...	
6	FILE DDFB
10	FILE DDFU
15	FILE DGENE
6	FILE DRUGB
13	FILE DRUGU
102	FILE EMBASE
47	FILE ESBIODASE
7*	FILE FEDRIP
66	FILE GENBANK

```

      2  FILE IFIPAT
      1  FILE KOSMET
     60  FILE LIFESCI
    144  FILE MEDLINE
     20  FILE PASCAL
    144  FILE SCISEARCH
58 FILES SEARCHED...
     86  FILE TOXCENTER
    179  FILE USPATFULL
      2  FILE WPIDS
      2  FILE WPINDEX

```

31 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 QUE (RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?

=> d rank

```

F1      200  CAPLUS
F2      179  USPATFULL
F3      144  MEDLINE
F4      144  SCISEARCH
F5      137  BIOSIS
F6      102  EMBASE
F7       86  TOXCENTER
F8       71  BIOTECHNO
F9       66  GENBANK
F10      60  LIFESCI
F11      47  ESBIODBASE
F12      23  CANCERLIT
F13      20  PASCAL
F14      15  DGENE
F15      14  CABA
F16      13  DRUGU
F17      10  DDFU
F18       7  AGRICOLA
F19      7*  FEDRIP
F20       6  DDFB
F21       6  DRUGB
F22       4  BIOTECHABS
F23       4  BIOTECHDS
F24       3  CONFSCI
F25       2  AQUASCI
F26       2  IFIPAT
F27       2  WPIDS
F28       2  WPINDEX
F29       1  ADISCTI
F30       1  CEN
F31       1  KOSMET

```

=> s ((ribonucleo? (s) reductas?) and thioredo?) or (urid?(s)kinas?) or (dctp? (s) deaminas?)

```

      8  FILE ADISCTI
      2  FILE ADISINSIGHT
     43  FILE AGRICOLA
      3  FILE ANABSTR
     11  FILE AQUASCI
     10  FILE BIOBUSINESS
    1342  FILE BIOSIS
     42  FILE BIOTECHABS
     42  FILE BIOTECHDS
    339  FILE BIOTECHNO
    101  FILE CABA
     493  FILE CANCERLIT
    1056  FILE CAPLUS

```

```

        6   FILE CEABA-VTB
        1   FILE CEN
       18   FILE CONFSCI
        1   FILE CROPU
      129   FILE DDFB
      158   FILE DDFU
      144   FILE DGENE
24 FILES SEARCHED...
      129   FILE DRUGB
      241   FILE DRUGU
        7   FILE EMBAL
      842   FILE EMBASE
      245   FILE ESBIODBASE
      21*   FILE FEDRIP
        1   FILE FROSTI
        5   FILE FSTA
      750   FILE GENBANK
        29   FILE IFIPAT
        20   FILE JICST-EPLUS
        1   FILE KOSMET
      267   FILE LIFESCI
     1002   FILE MEDLINE
        10   FILE NIOSHTIC
        3   FILE NTIS
        2   FILE OCEAN
      169   FILE PASCAL
51 FILES SEARCHED...
      595   FILE SCISEARCH
      572   FILE TOXCENTER
      435   FILE USPATFULL
        3   FILE USPAT2
        2   FILE VETB
        2   FILE VETU
        53   FILE WPIDS
        53   FILE WPINDEX
        1   FILE IPA
        2   FILE NAPRALERT
        2   FILE NLDB

```

49 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S) KINAS?) OR (D CTP? (S) DEAMINAS?)

=> d rank

```

F1      1342   BIOSIS
F2      1056   CAPLUS
F3      1002   MEDLINE
F4       842   EMBASE
F5       750   GENBANK
F6       595   SCISEARCH
F7       572   TOXCENTER
F8       493   CANCERLIT
F9       435   USPATFULL
F10      339   BIOTECHNO
F11      267   LIFESCI
F12      245   ESBIODBASE
F13      241   DRUGU
F14      169   PASCAL
F15      158   DDFU
F16      144   DGENE
F17      129   DDFB
F18      129   DRUGB
F19      101   CABA
F20       53   WPIDS

```

F21	53	WPINDEX
F22	43	AGRICOLA
F23	42	BIOTECHABS
F24	42	BIOTECHDS
F25	29	IFIPAT
F26	21*	FEDRIP
F27	20	JICST-EPLUS
F28	18	CONFSCI
F29	11	AQUASCI
F30	10	BIOBUSINESS
F31	10	NIOSHTIC
F32	8	ADISCTI
F33	7	EMBAL
F34	6	CEABA-VTB
F35	5	FSTA
F36	3	ANABSTR
F37	3	NTIS
F38	3	USPAT2
F39	2	ADISINSIGHT
F40	2	OCEAN
F41	2	VETB
F42	2	VETU
F43	2	NAPRALERT
F44	2	NLDB
F45	1	CEN
F46	1	CROPU
F47	1	FROSTI
F48	1	KOSMET
F49	1	IPA

=> file f1-f20

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.30

3.51

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FILE 'DGENE' ENTERED AT 13:22:24 ON 05 MAR 2003  
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FILE 'DDFB' ACCESS NOT AUTHORIZED

FILE 'DRUGB' ENTERED AT 13:22:24 ON 05 MAR 2003  
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=> s ((ribonucleo? (s) reductas?) and thioredo?) or (urid?(s)kinas?) or (dctp? (s) deaminas?)

L3 8775 ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S) KINAS?)  
OR (DCTP? (S) DEAMINAS?)

=> s ((ribonucleo? (s) reductas?) and thioredo?)

L4 1329 ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?)

=> s l4 and (nrda? or nrdb? or nrdc?)

L5 107 L4 AND (NRDA? OR NRDB? OR NRDC?)

=> dup rem l5

DUPLICATE IS NOT AVAILABLE IN 'GENBANK, DGENE'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L5

L6 70 DUP REM L5 (37 DUPLICATES REMOVED)

=> d ti l6 1-70

L6 ANSWER 1 OF 70 USPATFULL  
TI Nucleic acids, proteins, and antibodies

L6 ANSWER 2 OF 70 USPATFULL  
TI Nucleic acids, proteins, and antibodies

L6 ANSWER 3 OF 70 USPATFULL  
TI Nucleic acids, proteins, and antibodies

L6 ANSWER 4 OF 70 USPATFULL  
TI Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof

L6 ANSWER 5 OF 70 USPATFULL

TI Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof  
 L6 ANSWER 6 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 7 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 8 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 9 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 10 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 11 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 12 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 13 OF 70 USPATFULL  
 TI Compounds and methods for treatment and diagnosis of chlamydial infection  
 L6 ANSWER 14 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 15 OF 70 USPATFULL  
 TI VECTORS, CELLS AND PROCESSES FOR PYRIMIDINE DEOXYRIBONUCLEOSIDES PRODUCTION  
 L6 ANSWER 16 OF 70 USPATFULL  
 TI Genome DNA of bacterial symbiont of aphids  
 L6 ANSWER 17 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 18 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 19 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 20 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 21 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 22 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 23 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 24 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies  
 L6 ANSWER 25 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 26 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 27 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 28 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 29 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 30 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 31 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 32 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 33 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 34 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 35 OF 70 USPATFULL  
 TI Nucleic acids, proteins, and antibodies

L6 ANSWER 36 OF 70 USPATFULL  
 TI Methods for identifying drug targets based on genomic sequence data

L6 ANSWER 37 OF 70 USPATFULL  
 TI Computer readable genomic sequence of Haemophilus influenzae Rd, fragments thereof, and uses thereof

L6 ANSWER 38 OF 70 SCISEARCH COPYRIGHT 2003 ISI (R)  
 TI Streptomyces spp. contain class Ia and class II **ribonucleotide reductases**: expression analysis of the genes in vegetative growth

L6 ANSWER 39 OF 70 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1  
 TI Genes for enzymes of pyrimidine deoxyribonucleoside biosynthesis and the development of producer microorganisms for deoxyribonucleosides

L6 ANSWER 40 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2  
 TI Expression analysis of the nrdHIEF operon from Escherichia coli. Conditions that trigger the transcript level in vivo.

L6 ANSWER 41 OF 70 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3  
 TI Transcriptional regulation of glutaredoxin and **thioredoxin** pathways and related enzymes in response to oxidative stress

L6 ANSWER 42 OF 70 USPATFULL  
 TI Method for inhibiting microorganism growth

L6 ANSWER 43 OF 70 USPATFULL  
 TI Methods of identifying compounds that inhibit DNA synthesis in mycobacterium tuberculosis and compositions, reagents and kits for performing the same

L6 ANSWER 44 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 4  
 TI In vivo transcription of **nrdAB** operon and of grxA and fpg genes

is triggered in *Escherichia coli* lacking both **thioredoxin** and glutaredoxin 1 or **thioredoxin** and glutathione, respectively.

- L6 ANSWER 45 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
5  
TI Characterization of *Escherichia coli* NrdH: A glutaredoxin-like protein with a **thioredoxin**-like activity profile.
- L6 ANSWER 46 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
6  
TI The **ribonucleotide reductase** system of *Lactococcus lactis*: Characterization of an NrdEF enzyme and a new electron transport protein.
- L6 ANSWER 47 OF 70 USPATFULL  
TI Method for inhibiting microorganism growth
- L6 ANSWER 48 OF 70 USPATFULL  
TI Antibiotic reuterin
- L6 ANSWER 49 OF 70 USPATFULL  
TI Method of determining the presence of an antibiotic produced by *Lactobacillus reuteri*
- L6 ANSWER 50 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
7  
TI A second class I **ribonucleotide reductase** in Enterobacteriaceae: Characterization of the *Salmonella typhimurium* enzyme.
- L6 ANSWER 51 OF 70 CAPLUS COPYRIGHT 2003 ACS  
TI Mutationally altered **ribonucleotide reductase** from *Escherichia coli*: characterization of mutations isolated on multicopy plasmids
- L6 ANSWER 52 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
8  
TI EFFECT OF BACTERIO PHAGE T-4 NRD MUTANTS ON DEOXY RIBO NUCLEOTIDE SYNTHESIS IN-VIVO.
- L6 ANSWER 53 OF 70 CAPLUS COPYRIGHT 2003 ACS  
TI Control of pyrimidine biosynthesis by phage T4. II. In vitro complementation between **ribonucleotide reductase** mutants
- L6 ANSWER 54 OF 70 MEDLINE  
TI **Ribonucleotide reductase** genes of phage T4: map location of the **thioredoxin** gene *nrdC*.
- L6 ANSWER 55 OF 70 GENBANK.RTM. COPYRIGHT 2003  
TITLE (TI): Comparative Analyses of the Complete Genome Sequences of Pierce's Disease and Citrus Variegated Chlorosis Strains of *Xylella fastidiosa*  
TITLE (TI): Direct Submission
- L6 ANSWER 56 OF 70 GENBANK.RTM. COPYRIGHT 2003  
TITLE (TI): Reductive genome evolution in *Buchnera aphidicola*  
TITLE (TI): Direct Submission
- L6 ANSWER 57 OF 70 GENBANK.RTM. COPYRIGHT 2003  
TITLE (TI): Comparison of the genomes of two *Xanthomonas* pathogens with differing host specificities  
TITLE (TI): Direct Submission

L6 ANSWER 58 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Complete genome sequence of *Clostridium perfringens*, an anaerobic flesh-eater

TITLE (TI): Direct Submission

L6 ANSWER 59 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Genome sequence of the plant pathogen *Ralstonia solanacearum*

TITLE (TI): Direct Submission

L6 ANSWER 60 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Complete genome sequence of a multiple drug resistant *Salmonella enterica* serovar Typhi CT18

TITLE (TI): Direct Submission

L6 ANSWER 61 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Massive gene decay in the leprosy bacillus

TITLE (TI): Direct Submission

L6 ANSWER 62 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Comparison of outer membrane protein genes omp and pmp in the whole genome sequences of *Chlamydia pneumoniae* isolates from Japan and the United States

TITLE (TI): Comparison of whole genome sequences of *Chlamydia pneumoniae* J138 from Japan and CWL029 from USA

TITLE (TI): Direct Submission

L6 ANSWER 63 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Complete DNA sequence of a serogroup A strain of *Neisseria meningitidis* Z2491

TITLE (TI): Direct Submission

L6 ANSWER 64 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): The genome sequence of the food-borne pathogen *Campylobacter jejuni* reveals hypervariable sequences

TITLE (TI): Direct Submission

L6 ANSWER 65 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): rII cistrons of bacteriophage T4. DNA sequence around the intercistronic divide and positions of genetic landmarks

TITLE (TI): DNA sequence of the tail fibre genes 36 and 37 of bacteriophage T4

TITLE (TI): Nucleotide sequences involved in bacteriophage T4 gene 32 translational self-regulation

TITLE (TI): Gene 67, a new, essential bacteriophage T4 head gene codes for a prehead core component, PIP. I. Genetic mapping and DNA sequence

TITLE (TI): Organization and Structure of Four T4 Genes Coding for DNA Replication Proteins

TITLE (TI): Nucleotide sequence of the lysozyme gene of bacteriophage T4. Analysis of mutations involving repeated sequences

TITLE (TI): Primary structure and genetic organization of phage T4 DNA ligase

TITLE (TI): Sequence and cloning of bacteriophage T4 gene 63

encoding RNA ligase and tail fibre attachment activities

TITLE (TI): Nucleotide sequence reveals overlap between T4 phage genes encoding dihydrofolate reductase and thymidylate synthase

TITLE (TI): The bacteriophage T4 regA gene: primary sequence of a translational repressor

TITLE (TI): Identification and characterization of the alc gene product of bacteriophage T4

TITLE (TI): Gene 68, a new bacteriophage T4 gene which codes for the 17K prohead core protein is involved in head size determination

TITLE (TI): Regulation of a new bacteriophage T4 gene, 69, that spans an origin of DNA replication

TITLE (TI): Nucleotide sequence of bacteriophage T4 gene 23 and the amino acid sequence of its product

TITLE (TI): Genes 55, alpha gt, 47 and 46 of bacteriophage T4: the genomic organization as deduced by sequence analysis

TITLE (TI): Sequence organization and control of transcription in the bacteriophage T4 tRNA region

TITLE (TI): Sequence of the T4 recombination gene, uvsX, and its comparison with that of the recA gene of Escherichia coli

TITLE (TI): T4 polynucleotide kinase; cloning of the gene (pseT) and amplification of its product

TITLE (TI): T4-induced alpha- and beta-glucosyltransferase: cloning of the genes and a comparison of their products based on sequencing data

TITLE (TI): The nucleotide sequence of gene 21 of bacteriophage T4 coding for the prohead protease

TITLE (TI): Characterization of the intron in the phage T4 thymidylate synthase gene and evidence for its self-excision from the primary transcript

TITLE (TI): The bacteriophage T4 gene for the small subunit of **ribonucleotide reductase** contains an intron

TITLE (TI): The 52-protein subunit of T4 DNA topoisomerase is homologous to the gyrA-protein of gyrase

TITLE (TI): Nucleotide sequence of a type II DNA topoisomerase gene. Bacteriophage T4 gene 39

TITLE (TI): Nucleotide sequence and analysis of the 58.3 to 65.5-kb early region of bacteriophage T4

TITLE (TI): Localization of the T4 phage **ribonucleotide reductase** B1 subunit gene and the nucleotide sequence of its upstream and 5' coding regions

TITLE (TI): The bacteriophage T4 dexA gene: sequence and analysis of a gene conditionally required for DNA replication

TITLE (TI): Identification of two new bacteriophage T4 genes that may have roles in transcription and DNA replication

TITLE (TI): Nucleotide sequence and primary structures of gene products coded for by the T4 genome between map positions 48.266 kb and 39.166 kb

TITLE (TI): Receptor-recognizing proteins of T-even type bacteriophages. Constant and hypervariable regions and an unusual case of evolution

TITLE (TI): Nucleotide sequence of gene t (lysis gene) of the E. coli phage T4

TITLE (TI): A persistent untranslated sequence within bacteriophage T4 DNA topoisomerase gene 60

TITLE (TI): Deoxycytidylate hydroxymethylase gene of bacteriophage T4. Nucleotide sequence determination and over-expression of the gene

TITLE (TI): Nucleotide sequence of the tail tube structural gene of bacteriophage T4

TITLE (TI): Nucleotide and deduced amino acid sequence of

bacteriophage T4 gene 12

TITLE (TI): Nucleotide sequence of the tail sheath gene of bacteriophage T4 and amino acid sequence of its product

TITLE (TI): The structure of three bacteriophage T4 genes required for tail-tube assembly

TITLE (TI): Primary structure of T4 DNA polymerase. Evolutionary relatedness to eucaryotic and other procaryotic DNA polymerases

TITLE (TI): Total sequence, flanking regions, and transcripts of bacteriophage T4 **nrda** gene, coding for alpha chain of **ribonucleoside diphosphate reductase**

TITLE (TI): Nucleotide and deduced amino acid sequence of bacteriophage T4 gene **wac**

TITLE (TI): Cloning, sequence, and expression of the temperature-dependent phage T4 capsid assembly gene 31

TITLE (TI): Nucleotide sequences of bacteriophage T4 genes 9, 10 and 11

TITLE (TI): Nucleotide sequences of bacteriophage T4 genes 13, 14 and 15

TITLE (TI): Sequencing, cloning and overexpression of genes of bacteriophage T4 between map positions 74.325 and 77.184

TITLE (TI): Altered expression of the bacteriophage T4 gene 41 (primase-helicase) in an Escherichia coli rho mutant

TITLE (TI): Nucleotide sequence of the alt gene of bacteriophage T4

TITLE (TI): Organization of the bacteriophage T4 genome between map positions 150.745 and 145.824

TITLE (TI): Bacteriophage T4 late gene expression: overlapping promoters direct divergent transcription of the base plate gene cluster

TITLE (TI): The immunity (imm) gene of Escherichia coli bacteriophage T4

TITLE (TI): Nucleotide and deduced amino acid sequences of bacteriophage T4 gene 20

TITLE (TI): Nucleotide and deduced amino acid sequences of bacteriophage T4 gene 22

TITLE (TI): Functional relationships and structural determinants of two bacteriophage T4 lysozymes: a soluble (gene e) and a baseplate-associated (gene 5) protein

TITLE (TI): Cloning, sequence analysis, and expression of the bacteriophage T4 **cd** gene

TITLE (TI): The bacteriophage T4 gene **mrh** whose product inhibits late T4 gene expression in an Escherichia coli **rpoH** (sigma 32) mutant

TITLE (TI): Bacteriophage T4 gene 27

TITLE (TI): The **rIIA** gene of bacteriophage T4. I. Its DNA sequence and discovery of a new open reading frame between genes 60 and **rIIA**

TITLE (TI): Bacteriophage T4 DNA packaging genes 16 and 17

TITLE (TI): The nucleotide sequence of the region of bacteriophage T4 **inh(lip)**-hoc genes

TITLE (TI): Nucleotide sequence and control of transcription of the bacteriophage T4 **motA** regulatory gene

TITLE (TI): Nucleotide sequences of bacteriophage T4 genes 6, 7 and 8

TITLE (TI): Two bacteriophage T4 base plate genes (25 and 26) and the DNA repair gene **uvsY** belong to spatially and temporally overlapping transcription units

TITLE (TI): The nucleotide sequence between genes 31 and 30 of bacteriophage T4

TITLE (TI): Gene **rIII** is the nearest downstream neighbour of bacteriophage T4 gene 31

TITLE (TI): Identification of a family of bacteriophage T4 genes encoding proteins similar to those present in group I

introns of fungi and phage

TITLE (TI): Overexpression, purification, sequence analysis, and characterization of the T4 bacteriophage dda DNA helicase

TITLE (TI): Sequence and characterization of the bacteriophage T4 comC alpha gene product, a possible transcription antitermination factor

TITLE (TI): The asiA gene of bacteriophage T4 codes for the anti-sigma 70 protein

TITLE (TI): Analysis of five presumptive protein-coding sequences clustered between the primosome genes, 41 and 61, of bacteriophages T4, T2, and T6

TITLE (TI): Direct PCR sequencing of the ndd gene of bacteriophage T4: identification of a product involved in bacterial nucleoid disruption

TITLE (TI): The ADP-ribosyltransferases (gpAlt) of bacteriophages T2, T4, and T6: sequencing of the genes and comparison of their products

TITLE (TI): Phage T4-coded Stp: double-edged effector of coupled DNA and tRNA-restriction systems

TITLE (TI): Bacteriophage T4 gene 28

TITLE (TI): Expression of the bacteriophage T4 DNA terminase genes 16 and 17 yields multiple proteins

TITLE (TI): Bacteriophage T4 UvsW protein is a helicase involved in recombination, repair and the regulation of DNA replication origins

TITLE (TI): A rare type of overlapping genes in bacteriophage T4: gene 30.3' is completely embedded within gene 30.3 by one position downstream

TITLE (TI): Nucleotide sequence and revised map location of the arn gene from bacteriophage T4

TITLE (TI): The spectrum of acridine resistant mutants of bacteriophage T4 reveals cryptic effects of the tsL141 DNA polymerase allele on spontaneous mutagenesis

TITLE (TI): The largest (70 kDa) product of the bacteriophage T4 DNA terminase gene 17 binds to single-stranded DNA segments and digests them towards junctions with double-stranded DNA

TITLE (TI): The roles of the bacteriophage T4 r genes in lysis inhibition and fine-structure genetics: a new perspective

TITLE (TI): Personal Communication

TITLE (TI): Personal Communication

TITLE (TI): Two New Early Bacteriophage T4 Genes, repEA and repEB, are Important for DNA Replication Initiated from Origin E

TITLE (TI): Gene 61.3 of bacteriophage T4 is the spackle gene

TITLE (TI): The 10.7 kb 'Nonessential' region of Bacteriophage T4 Between the genes tk and nrdC: **Twenty** New T4 Genes, Generally Conserved Among T-Even Phages

TITLE (TI): Analysis of the region between lysozyme and the tRNA genes of bacteriophage T4

TITLE (TI): Personal Communication

TITLE (TI): Bacteriophage T4 genome analysis

TITLE (TI): Direct Submission

TITLE (TI): Direct Submission

L6 ANSWER 66 OF 70 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): The genome sequence of Rickettsia prowazekii and the origin of mitochondria

TITLE (TI): Direct Submission

L6 ANSWER 67 OF 70 DGENE (C) 2003 THOMSON DERWENT

TI New DNA constructs or vectors, useful for the commercial production of



pyrimidine and purine deoxynucleosides, e.g. for producing a commercially useful amount of thymidine -

L6 ANSWER 68 OF 70 DGENE (C) 2003 THOMSON DERWENT  
TI New DNA constructs or vectors, useful for the commercial production of pyrimidine and purine deoxynucleosides, e.g. for producing a commercially useful amount of thymidine -

L6 ANSWER 69 OF 70 DGENE (C) 2003 THOMSON DERWENT  
TI New DNA constructs or vectors, useful for the commercial production of pyrimidine and purine deoxynucleosides, e.g. for producing a commercially useful amount of thymidine -

L6 ANSWER 70 OF 70 DGENE (C) 2003 THOMSON DERWENT  
TI New DNA constructs or vectors, useful for the commercial production of pyrimidine and purine deoxynucleosides, e.g. for producing a commercially useful amount of thymidine -

=> d 16 ibib abs 70 51-53

L6 ANSWER 70 OF 70 DGENE (C) 2003 THOMSON DERWENT  
ACCESSION NUMBER: AAF31287 DNA DGENE  
TITLE: New DNA constructs or vectors, useful for the commercial production of pyrimidine and purine deoxynucleosides, e.g. for producing a commercially useful amount of thymidine -  
INVENTOR: Anderson D M; Liu L; Podkovyrov S; Wang B  
PATENT ASSIGNEE: (GLAX)GLAXO GROUP LTD.  
PATENT INFO: WO 2001002580 A1 20010111 49p  
APPLICATION INFO: WO 2000-GB2357 20000630  
PRIORITY INFO: US 1999-141827 19990701  
US 1999-345492 19990701  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2001-138147 [14]  
AN AAF31287 DNA DGENE  
AB The present invention describes a DNA construct comprising a **ribonucleotide reductase** gene and a **thioredoxin** or uridine kinase gene and/or a dCTP deaminase gene. This can be used for purine and pyrimidine biosynthesis, and the resulting deoxynucleosides can be used for example in pharmaceuticals.

L6 ANSWER 51 OF 70 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1985:56952 CAPLUS  
DOCUMENT NUMBER: 102:56952  
TITLE: Mutationally altered **ribonucleotide reductase** from Escherichia coli: characterization of mutations isolated on multicopy plasmids  
AUTHOR(S): Platz, Anton; Sjoeborg, Britt Marie  
CORPORATE SOURCE: Med. Nobel Inst., Karolinska Inst., Stockholm, S-104 01, Swed.  
SOURCE: Journal of Bacteriology (1984), 160(3), 1010-16  
CODEN: JOBAA; ISSN: 0021-9193  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The E. coli **ribonucleotide reductase** [9047-64-7] genes (nrd genes) were mutagenized at random. Point mutations were introduced in vitro into a recombinant nrd plasmid. Transformants were initially screened for altered tolerance toward the drug hydroxyurea and further characterized by enzymic and immunol. methods. The screening procedure could pick out defects in either of the 2 subunits of **ribonucleotide reductase**. Cells carrying the nrd plasmid pPS2 were earlier shown to have levels of **ribonucleotide reductase** mols. that were 10 to 20 times higher than those in

wild-type cells. The enzymic activity in gently lysed pPS2-contg. cells on cellophane disks is 6 times higher than that in wild-type cells. Supplementation of the pPS2-contg. lysates with a purified **thioredoxin** system results in a further 4.5-fold stimulation of the enzymic activity, which implies a functional shortage of the electron donor system(s) for ribonucleotide redn. in pPS2-contg. cells.

L6 ANSWER 52 OF 70 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
8

ACCESSION NUMBER: 1980:244503 BIOSIS  
DOCUMENT NUMBER: BA70:36999  
TITLE: EFFECT OF BACTERIO PHAGE T-4 NRD MUTANTS ON DEOXY RIBO  
NUCLEOTIDE SYNTHESIS IN-VIVO.  
AUTHOR(S): CHIU C-S; COX S M; GREENBERG G R  
CORPORATE SOURCE: DEP. BIOL. CHEM., UNIV. MICH., ANN ARBOR, MICH. 48109, USA.  
SOURCE: J BIOL CHEM, (1980) 255 (7), 2747-2751.  
CODEN: JBCHA3. ISSN: 0021-9258.  
FILE SEGMENT: BA; OLD  
LANGUAGE: English

AB On infection by bacteriophage T4 mutants carrying lesions in the structural genes for **ribonucleoside diphosphate reductase**, **nrdA** or **nrdB**, the rate of synthesis of pyrimidine deoxyribonucleotides is reduced to about 25% of that obtained with wild type phage. Previous studies from this laboratory demonstrated that synthesis of pyrimidine deoxyribonucleotides proceeds at the wild type rate with most T4 phage genetically blocked in DNA synthesis (Dna-), even though high levels of deoxyribonucleotides accumulate. However, Dna- phage carrying a 2nd mutation in the **nrdA** or **nrdB** gene show complete blockage of deoxyribonucleotide synthesis. These effects are in keeping with the known sensitivity of the host [*Escherichia coli*] **ribonucleoside diphosphate reductase** to deoxyribonucleoside triphosphate feedback inhibition and the insensitivity of the phage-coded enzyme. The question of the possible replacement of the phage enzyme by the host enzyme in the phage-induced deoxyribonucleotide synthetase complex is discussed. In vivo complementation in pyrimidine deoxyribonucleotide synthesis is demonstrated among **nrdA**, B and C (**thioredoxin**) mutants. A simple, qualitative in vivo assay for deoxyribonucleotide synthesis suitable for scanning of nrd mutants after genetic crosses is also described.

L6 ANSWER 53 OF 70 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1972:110183 CAPLUS  
DOCUMENT NUMBER: 76:110183  
TITLE: Control of pyrimidine biosynthesis by phage T4. II.  
In vitro complementation between  
**ribonucleotide reductase** mutants  
AUTHOR(S): Yeh, Yun-Chi; Tessman, Irwin  
CORPORATE SOURCE: Sch. Med., Univ. Arkansas, Little Rock, AR, USA  
SOURCE: Virology (1972), 47(3), 767-72  
CODEN: VIRLAX; ISSN: 0042-6822  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB T4 genes controlling **ribonucleotide reductase** activity have been studied using in vitro complementation of the gene products. Three phage genes have been identified, **nrdA**, B, and C. The **nrdA** and B genes are clustered together on the genetic map with three other genes involved in deoxythymidylate synthesis, but **nrdC** is unlinked. It appears that **nrdA** and B control subunits of **ribonucleotide reductase** and **nrdC** controls a heat-stable **thioredoxin**. Nonsense mutants in **nrdB** show no polar effects on **nrdA**.

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L7 7503 (URID?(S) KINAS?) OR (DCTP? (S) DEAMINAS?)

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SEARCH ENDED BY USER

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10 FILES SEARCHED...

14 FILES SEARCHED...

17 FILES SEARCHED...

L11 56 L10 AND PY < 1999

=> d ti l11 1-56

L11 ANSWER 1 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Biochemical and phylogenetic characterization of the dUTPase from the archaeal virus SIRV.

L11 ANSWER 2 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI The adenylate kinase family in yeast: Identification of URA6 as a multicopy suppressor of deficiency in major AMP kinase.

L11 ANSWER 3 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI DCD **DCTP DEAMINASE** GENE OF **ESCHERICHIA-COLI**  
MAPPING CLONING SEQUENCING AND IDENTIFICATION AS A LOCUS OF SUPPRESSORS OF  
LETHAL DUT DUTPASE MUTATIONS.

L11 ANSWER 4 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI COMPLEMENTARY DNA-DERIVED SEQUENCE OF UMP-CMP KINASE FROM  
DICTYOSTELIUM-DISCOIDEUM AND **EXPRESSION** OF THE ENZYME IN  
**ESCHERICHIA-COLI**.

L11 ANSWER 5 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI IDENTIFICATION OF THE THYMIDINE KINASE GENE OF INFECTIOUS BOVINE  
RHINOTRACHEITIS VIRUS AND ITS FUNCTION IN **ESCHERICHIA-COLI**  
HOSTS.

L11 ANSWER 6 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI DEPENDENCE OF THE ACTIVITY OF PHI-X-174 B PROMOTER IN **EXPRESSION**  
 OF ESCHERICHIA-COLI GAL OPERON ON THE NUMBER OF ITS COPIES AND  
 THEIR ORIENTATION.

L11 ANSWER 7 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI FUNCTIONAL **EXPRESSION** OF THE HERPES SIMPLEX VIRUS THYMIDINE  
 KINASE GENE IN ESCHERICHIA-COLI K-12.

L11 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2003 ACS  
 TI Recombinant Escherichia coli for the manufacture of pyrimidine  
 deoxyribonucleosides

L11 ANSWER 9 OF 56 MEDLINE  
 TI An Escherichia coli strain deficient for both exonuclease V and  
 deoxycytidine triphosphate deaminase shows enhanced sensitivity to  
 ionizing radiation.

L11 ANSWER 10 OF 56 GENBANK.RTM. COPYRIGHT 2003  
 TITLE (TI): **Expressed** sequences from conidial, mycelial,  
 and sexual stages of Neurospora crassa

L11 ANSWER 11 OF 56 GENBANK.RTM. COPYRIGHT 2003  
 TITLE (TI): **Expressed** sequences from conidial, mycelial,  
 and sexual stages of Neurospora crassa

L11 ANSWER 12 OF 56 GENBANK.RTM. COPYRIGHT 2003  
 TITLE (TI): Osteoclast Molecular Phenotyping by Random cDNA  
 Sequencing

L11 ANSWER 13 OF 56 GENBANK.RTM. COPYRIGHT 2003  
 TITLE (TI): Osteoclast Molecular Phenotyping by Random cDNA  
 Sequencing

L11 ANSWER 14 OF 56 SCISEARCH COPYRIGHT 2003 ISI (R)  
 TI A combination of three mutations, dcd, pyrH, and cdd, establishes  
 thymidine (deoxyuridine) auxotrophy in thyA(+) strains of Salmonella  
 typhimurium

L11 ANSWER 15 OF 56 CANCERLIT  
 TI An UPP-codA gene encoding both cytosine deaminase and uracil  
 phosphoribosyl transferase as a new suicide gene (Meeting abstract).

L11 ANSWER 16 OF 56 USPATFULL  
 TI Human deoxycytidine kinase 2

L11 ANSWER 17 OF 56 USPATFULL  
 TI DNA sequences and **plasmids** for the preparation of sugar beet  
 with changed sucrose concentration

L11 ANSWER 18 OF 56 USPATFULL  
 TI Plants and processes for obtaining them

L11 ANSWER 19 OF 56 USPATFULL  
 TI Glial mitogenic factors, their preparation and use

L11 ANSWER 20 OF 56 USPATFULL  
 TI Metal-regulated transporters and uses therefor

L11 ANSWER 21 OF 56 USPATFULL  
 TI Fungal Protease

L11 ANSWER 22 OF 56 USPATFULL  
 TI Lag 1:gene for increasing the longevity of eukaryotes

L11 ANSWER 23 OF 56 USPATFULL  
 TI Viruses and **expression vectors** containing LTR size variants

L11 ANSWER 24 OF 56 USPATFULL  
 TI Glial mitogenic factors, their preparation and use

L11 ANSWER 25 OF 56 USPATFULL  
 TI Methods and compositions useful in the recognition, binding and **expression** of ribonucleic acids involved in cell growth, neoplasia and immunoregulation

L11 ANSWER 26 OF 56 USPATFULL  
 TI Methods for increasing secretion of overexpressed proteins

L11 ANSWER 27 OF 56 USPATFULL  
 TI DNA sequences and **plasmids** for the preparation of plants with changed sucrose concentration

L11 ANSWER 28 OF 56 USPATFULL  
 TI Aspergillus niger vacuolar aspartyl protease

L11 ANSWER 29 OF 56 USPATFULL  
 TI Inosine-guanosine kinase

L11 ANSWER 30 OF 56 USPATFULL  
 TI Aptamers specific for biomolecules and methods of making

L11 ANSWER 31 OF 56 USPATFULL  
 TI Intercellular adhesion mediators

L11 ANSWER 32 OF 56 USPATFULL  
 TI Non-invasive imaging of gene transfer

L11 ANSWER 33 OF 56 USPATFULL  
 TI Methods and compositions for inhibiting production of replication competent virus

L11 ANSWER 34 OF 56 USPATFULL  
 TI Aspergillus niger vacuolar aspartyl protease

L11 ANSWER 35 OF 56 USPATFULL  
 TI Yeast strains used to identify inhibitors of dibasic amino acid processing endoproteases

L11 ANSWER 36 OF 56 USPATFULL  
 TI Human deoxycytidylate deaminase gene

L11 ANSWER 37 OF 56 USPATFULL  
 TI Glial mitogenic factors

L11 ANSWER 38 OF 56 USPATFULL  
 TI Process for preparing glial mitogenic factors

L11 ANSWER 39 OF 56 USPATFULL  
 TI Sialyl Le.sup.x analogues as inhibitors of cellular adhesion

L11 ANSWER 40 OF 56 USPATFULL  
 TI Method of using a secretable glial mitogenic factor to induce acetylcholine receptor synthesis

L11 ANSWER 41 OF 56 USPATFULL  
 TI Methods of detecting and isolating a ripening form of a polypeptide having rhamnogalacturonase activity

L11 ANSWER 42 OF 56 USPATFULL  
 TI Cloning and **expression** of DNA encoding a ripening form of a polypeptide having rhamnogalacturonase activity

L11 ANSWER 43 OF 56 USPATFULL  
 TI DNA encoding glial mitogenic factors

L11 ANSWER 44 OF 56 USPATFULL  
 TI Cloning and **expression** of DNA encoding a ripening form of a polypeptide having sulfhydryl oxidase activity

L11 ANSWER 45 OF 56 USPATFULL  
 TI Methods and compositions useful in the recognition, binding and **expression** of ribonucleic acids involved in cell growth, neoplasia and immunoregulation

L11 ANSWER 46 OF 56 USPATFULL  
 TI Selectable/reporter gene for use during genetic engineering of plants and plant cells

L11 ANSWER 47 OF 56 USPATFULL  
 TI Pectin lyase genes of aspergillus niger

L11 ANSWER 48 OF 56 USPATFULL  
 TI Direct molecular cloning of a modified poxvirus genome

L11 ANSWER 49 OF 56 USPATFULL  
 TI Gal operon of streptomyces

L11 ANSWER 50 OF 56 USPATFULL  
 TI Yeast assay to identify inhibitors of dibasic amino acid processing endoproteases

L11 ANSWER 51 OF 56 USPATFULL  
 TI Gal operon of streptomyces

L11 ANSWER 52 OF 56 USPATFULL  
 TI Multiply-amplifiable **vectors** for high level **expression** of exogenous DNA

L11 ANSWER 53 OF 56 USPATFULL  
 TI Fermentation process for the production of pyrimidine deoxyribonucleosides

L11 ANSWER 54 OF 56 USPATFULL  
 TI Method for increasing gene **expression** using protease deficient yeasts

L11 ANSWER 55 OF 56 USPATFULL  
 TI Method for producing cells containing stably integrated foreign DNA at a high copy number, the cells produced by this method, and the use of these cells to produce the polypeptides coded for by the foreign DNA

L11 ANSWER 56 OF 56 USPATFULL  
 TI Method for single nucleotide alteration

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:18:42 ON 05 MAR 2003

SEA (RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?

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1   FILE ADISCTI
7   FILE AGRICOLA
2   FILE AQUASCI
137 FILE BIOSIS
4   FILE BIOTECHABS
4   FILE BIOTECHDS
71  FILE BIOTECHNO
14  FILE CABA
23  FILE CANCERLIT
200 FILE CAPLUS
1   FILE CEN
3   FILE CONFSCI
6   FILE DDFB
10  FILE DDFU
15  FILE DGENE
6   FILE DRUGB
13  FILE DRUGU
102 FILE EMBASE
47  FILE ESBIODBASE
7*  FILE FEDRIP
66  FILE GENBANK
2   FILE IFIPAT
1   FILE KOSMET
60  FILE LIFESCI
144 FILE MEDLINE
20  FILE PASCAL
144 FILE SCISEARCH
86  FILE TOXCENTER
179 FILE USPATFULL
2   FILE WPIDS
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2   FILE ADISINSIGHT
43  FILE AGRICOLA
3   FILE ANABSTR
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1342 FILE BIOSIS
42  FILE BIOTECHABS
42  FILE BIOTECHDS
339 FILE BIOTECHNO
101 FILE CABA
493 FILE CANCERLIT
1056 FILE CAPLUS
6   FILE CEABA-VTB
1   FILE CEN
18  FILE CONFSCI
1   FILE CROPU
129 FILE DDFB
158 FILE DDFU
144 FILE DGENE
129 FILE DRUGB
241 FILE DRUGU
7   FILE EMBAL

```

842 FILE EMBASE  
 245 FILE ESBIODBASE  
 21\* FILE FEDRIP  
 1 FILE FROSTI  
 5 FILE FSTA  
 750 FILE GENBANK  
 29 FILE IFIPAT  
 20 FILE JICST-EPLUS  
 1 FILE KOSMET  
 267 FILE LIFESCI  
 1002 FILE MEDLINE  
 10 FILE NIOSHTIC  
 3 FILE NTIS  
 2 FILE OCEAN  
 169 FILE PASCAL  
 595 FILE SCISEARCH  
 572 FILE TOXCENTER  
 435 FILE USPATFULL  
 3 FILE USPAT2  
 2 FILE VETB  
 2 FILE VETU  
 53 FILE WPIDS  
 53 FILE WPINDEX  
 1 FILE IPA  
 2 FILE NAPRALERT  
 2 FILE NLDB

L2 QUE ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S) KI  
 -----

FILE 'BIOSIS, CAPLUS, MEDLINE, EMBASE, GENBANK, SCISEARCH, TOXCENTER,  
 CANCERLIT, USPATFULL, BIOTECHNO, LIFESCI, ESBIODBASE, DRUGU, PASCAL,  
 DGENE, DRUGB, CABA, WPIDS' ENTERED AT 13:22:24 ON 05 MAR 2003

L3 8775 S ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?) OR (URID?(S)KINAS  
 L4 1329 S ((RIBONUCLEO? (S) REDUCTAS?) AND THIOREDO?)  
 L5 107 S L4 AND (NRDA? OR NRDB? OR NRDC?)  
 L6 70 DUP REM L5 (37 DUPLICATES REMOVED)  
 L7 7503 S (URID?(S)KINAS?) OR (DCTP? (S) DEAMINAS?)  
 L8 693 S L7 AND (VECTO? OR PLASMI?) AND EXPRES?  
 L9 631 DUP REM L8 (62 DUPLICATES REMOVED)  
 L10 230 S L9 AND COLI?  
 L11 56 S L10 AND PY < 1999

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
156.60	160.11

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.30	-1.30

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:42:37 ON 05 MAR 2003